

ARTIFACT SHEET

Enter artifact number below. Artifact number is application number + artifact type code (see list below) + sequential letter (A, B, C ...). The first artifact folder for an artifact type receives the letter A, the second B, etc..

Examples: 59123456PA, 59123456PB, 59123456ZA, 59123456ZB

081965844BA

Indicate quantity of a single type of artifact received but not scanned. Create individual artifact folder/box and artifact number for each Artifact Type.

☐

CD(s) containing:

computer program listing

Doc Code: Computer

pages of specification

and/or sequence listing

and/or table

Doc Code: Artifact

content unspecified or combined

Doc Code: Artifact

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Artifact Type Code: P

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Artifact Type Code: S

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Artifact Type Code: U

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Stapled Set(s) Color Documents or B/W Photographs

Doc Code: Artifact Artifact Type Code: C

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Microfilm(s)

Doc Code: Artifact Artifact Type Code: F

☐

Video tape(s)

Doc Code: Artifact Artifact Type Code: V

☐

Model(s)

Doc Code: Artifact Artifact Type Code: M

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Bound Document(s)

Doc Code: Artifact Artifact Type Code: B

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Confidential Information Disclosure Statement or Other Documents marked Proprietary, Trade Secrets, Subject to Protective Order, Material Submitted under MPEP 724.02, etc.

Doc Code: Artifact Artifact Type Code X

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Other, description: _____

Doc Code: Artifact Artifact Type Code: Z

March 8, 2004

5465156

AP9-157



The
United
States
of
America



The Commissioner of Patents
and Trademarks

*Has received an application for a patent
for a new and useful invention. The title
and description of the invention are en-
closed. The requirements of law have
been complied with, and it has been de-
termined that a patent on the invention
shall be granted under the law.*

Therefore, this

United States Patent

*Grants to the person or persons having
title to this patent the right to exclude
others from making, using or selling the
invention throughout the United States
of America for the term of seventeen
years from the date of this patent, sub-
ject to the payment of maintenance fees
as provided by law.*

Bence Lehman

Commissioner of Patents and Trademarks

Marjorie V. Turner

Attest.



US005465156A

United States Patent [19]

Arai

[11] **Patent Number:** 5,465,156
[45] **Date of Patent:** Nov. 7, 1995

[54] **FACSIMILE MACHINE HAVING PRINTER
UNIT AND INTERFACE**

[75] Inventor: Yoshihiro Arai, Isehara, Japan
[73] Assignee: Ricoh Company, Ltd., Tokyo, Japan

[21] Appl. No.: 38,646
[22] Filed: Mar. 29, 1993

[30] **Foreign Application Priority Data**

Mar. 30, 1992 [JP] Japan 4-103540
[51] Int. Cl.⁶ H04N 1/00; H04N 1/32
[52] U.S. Cl. 358/296; 358/442
[58] Field of Search 358/296, 400,
358/401, 442, 443, 444, 468; 395/110,
112, 115, 116, 118, 128, 150; 400/61, 70,
76

[56] **References Cited**

U.S. PATENT DOCUMENTS

4,652,933 3/1987 Koshiishi 358/442 X

4,827,349 5/1989 Ogata 358/256
5,268,770 12/1993 Yukino 358/442 X
5,383,030 1/1995 Seo 358/442
5,398,305 3/1995 Yawata et al. 395/115 X

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Maier & Neustadt

[57] **ABSTRACT**

A facsimile machine includes a printer unit for printing out data having a predetermined format, and an interface circuit for converting facsimile image data into recording data having a format in which the printer unit can input the recording data and for supplying the recording data to the printer unit. The printer unit includes a printing portion for printing recording data, and a data supply control circuit for supplying the recording data from the interface circuit to the printing portion at predetermined printing intervals.

10 Claims, 13 Drawing Sheets

